



#4

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I hereby claim the benefit under Title 35, United States Code, 119(e) of any United States provisional application(s) identified below:

Provisional application No. 60/263256, filed on January 22, 2001.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Data Transmission Via Direct Modulation Of A Mid-IR Laser** the specification of which was filed on June 29, 2001 as application Serial No. 09/896783.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

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I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

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Bruce S. Schneider	(Reg. No. 27949)
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Jeffrey M. Weinick	(Reg. No. 36304)

Please address all correspondence to the Docket Administrator (Rm. 3J-219), Lucent Technologies Inc., 101 Crawfords Corner Road, Holmdel, New Jersey 07733-3030. Telephone calls should be made to John F. McCabe by dialing 908-582-6866.

Full name of 1st joint inventor: Clyde George Bethea

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Franklin Park, Somerset County, New Jersey

Citizenship: United States of America

Post Office Address: 8 Grist Mill Lane  
Franklin Park, New Jersey, 08823

Full name of 2<sup>nd</sup> inventor: Federico Capasso

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

20-29-1-3-35-14-1

Residence: Westfield, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 42 Westbrook Road  
Westfield, New Jersey, 07090Full name of 3<sup>rd</sup> inventor: Alfred Yi Cho

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Summit, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 11 Kenneth Court  
Summit, New Jersey, 07901Full name of 4<sup>th</sup> inventor: Claire F Gmachl

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: New Providence, Union County, New Jersey

Citizenship: Austria

Post Office Address: 1170 Springfield Avenue  
New Providence, New Jersey, 07974Full name of 5<sup>th</sup> inventor: Albert Lee HutchinsonInventor's signature Albert Lee Hutchinson Date 11/15/81

Residence: Columbus, Muscogee County, Georgia

Citizenship: United States of America

Post Office Address: 2409 Cindy Drive  
Columbus, Georgia, 31903Full name of 6<sup>th</sup> inventor: Rainer Martini

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Hoboken, Hudson County, New Jersey

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Citizenship: Germany

Post Office Address: 730 Hudson Street  
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Full name of 7<sup>th</sup> inventor: Roberto Paiella

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Residence: Short Hills, Essex County, New Jersey

Citizenship: Italy

Post Office Address: 806 Morris Turnpike  
Apt. 2A6  
Short Hills, New Jersey, 07078

Full name of 8<sup>th</sup> inventor: Deborah Lee Sivco

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Warren, Somerset County, New Jersey

Citizenship: United States of America

Post Office Address: 16 Plainfield Avenue  
Warren, New Jersey, 07059

Full name of 9<sup>th</sup> inventor: Alessandro Tredicucci

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: 1-16043 Chiavari, Italy

Citizenship: Italy

Post Office Address: via R. Orsi 41/22  
1-16043 Chiavari  
Italy

Full name of 10<sup>th</sup> inventor: Edward Anthony Whittaker

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Hoboken, Hudson County, New Jersey

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5

C.G. Bethea 25-66-105-

Citizenship: United States of America

Post Office Address: 204 Garden Street  
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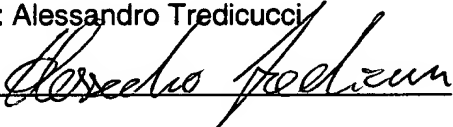
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Full name of 9<sup>th</sup> inventor: Alessandro TredicucciInventor's signature  Date 11/20/2001

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Post Office Address: via R. Orsi 41/22  
1-16043 Chiavari  
Italy

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Inventor's signature  Date 8/11/01

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Full name of 8<sup>th</sup> inventor: Deborah Lee SivcoInventor's signature Deborah Lee Sivco Date 11-8-01

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Post Office Address: 16 Plainfield Avenue  
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Full name of 9<sup>th</sup> inventor: Alessandro Tredicucci

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Eli Weiss	(Reg. No. 17765)

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Full name of 1st joint inventor: Clyde George Bethea

Inventor's signature Clyde George Bethea Date June 26, 2001

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Citizenship: United States of America

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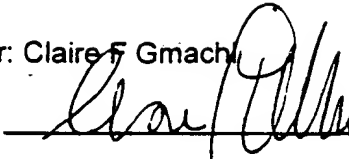
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C.G. Bethea 25-66-105-

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Date

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